LET'S ROTATE THE PMDG!!!

by Mattia Lambreschi

This procedure has been tested with FS2004 and B737NG PMDG and FSUIPC 3.817. I cannot assure it will work with other softwares versions

1. SOFTWARE REQUIRED

Before starting be sure to have what it is needed:

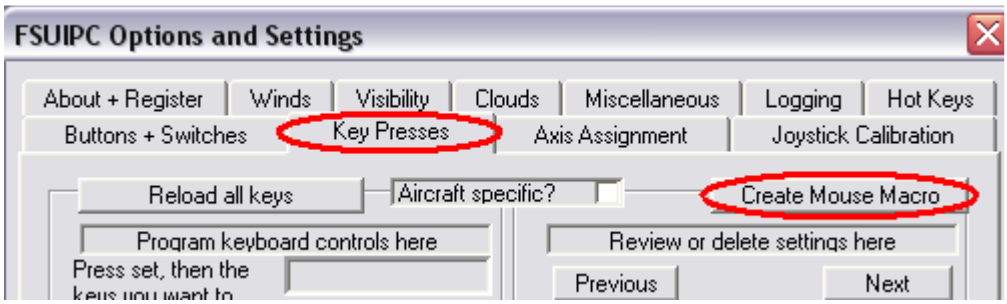
- SIOC (download one to keep it dedicated to the ATC, do not use other previously downloaded to avoid incompatibility with other installed modules)
- IOCModules
- FSUIPC registered

2. CREATE FSUIPC EVENTS FOR TRANSPONDER SELECTOR

1. Launch FS and load the 737 NG Aircraft

2. Open the PMDG Radio Panel

3. Open FSUIPC and go to the Mouse Macro function:



4. Click "Create Mouse Macro"

5. A window will open asking you a name for the macro. Give a name like "**XPDR**"

6. Click OK to close the window and OK to close FSUIPC window

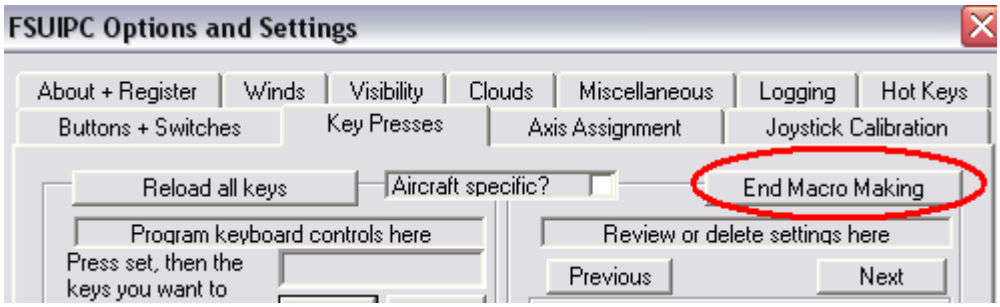
7. Point the Transponder with the mouse and click to increase selector (no matter in which position it is). For example click to go from STBY status to XPDR status

8. After clicking a green window will pop-up on the top asking you for a name: type the name **SW+** and press ENTER

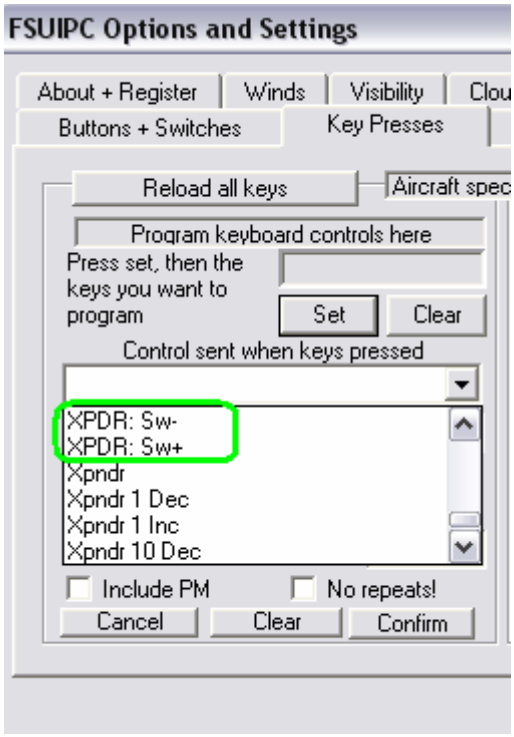
9. Then point again the Transponder selector and click to reduce the selection. For example to go back from ALT to STDBY.

10. Give another name in the green window: “SW-“.

11. Go back to FSUIPC and click “End Macro Making”

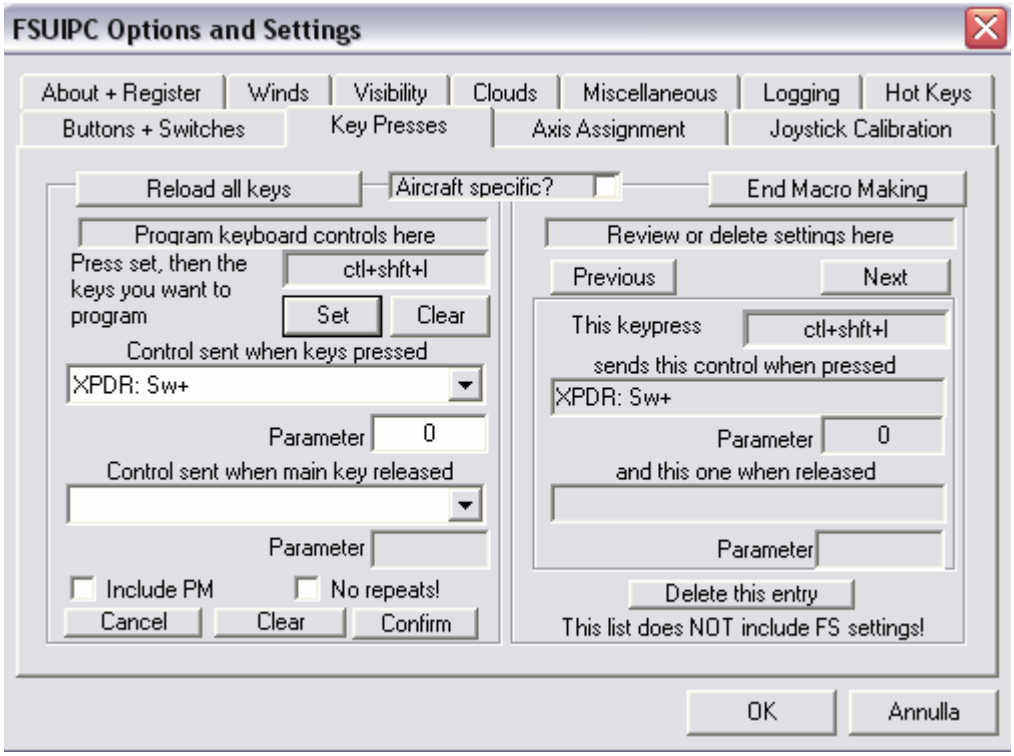


12. Now we’ve created two new events in FSUIPC and we’ll find them in the left scroll menu:



13. Now press the button “Set” and press the combination “**CTRL+SHIFT+I**”

14. To this combination assign the function “XPDR: Sw+”



15. Press again “Set” and insert the combination “CTRL+I”

16. To this combination assign the function “XPDR: Sw-“

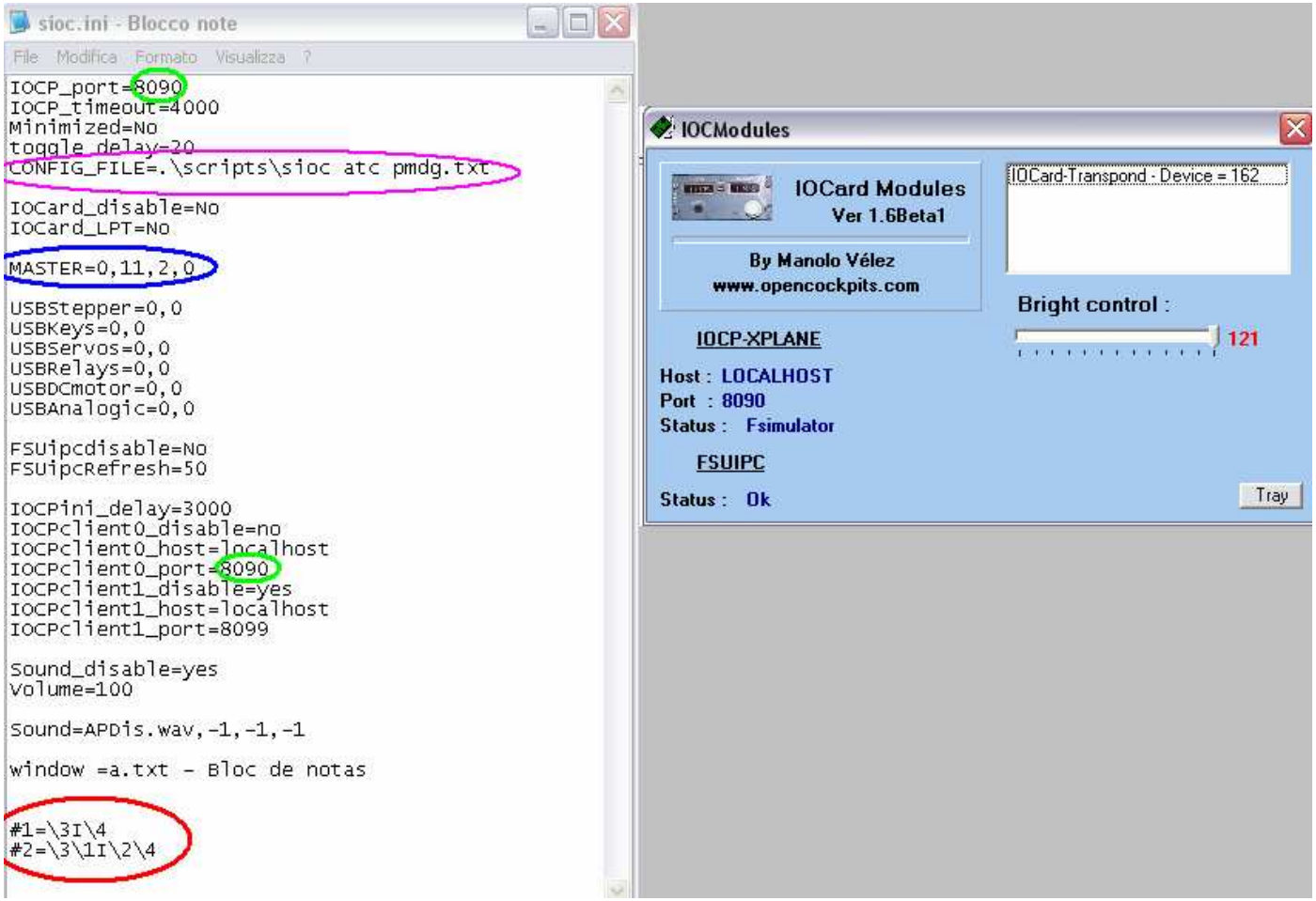
17. Click OK to close FSUIPC window and try the keyboard combination in the simuolator to check that everything works fine.

We’ve finished with FSUIPC! Now let’s go to the next step!

3. SIOC configuration

1. Go inside the SIOC folder and rename the file **Sioc.exe** in **Sioc_ATC.exe** (just to keep order)

2. The SIOC.ini file must be configured like this:



Obviously the “port” circled in green must be yours specific. You can find the correct port number launching the “**Iocmodules**”
The magenta circle recalls the script. It must be copied in the **\scripts** folder.
The blu circle configures the device. It should work with these values, since “11” is the specific number for the ATC module.
Pay particular attention to the red circled part. It links the SIOC scripts to the keyboard combinations we assigned in FSUIPC (CTRL+I and CTRL+SHIFT+I).

3. Save the **SIOC.ini** and exit.

4. Copy the script “sioc atc pmdg.txt” in the **\scripts** folder.

4. JUST PLAY THE GAME!

To use correctly the TRANSPONDER in FS with PMDG you have to launch both “SIOC” and “IOCMODULES”: the first one will enable the switch selector, the second one will enable the display and the rotary encoders. To avoid possible incompatibilities launch in the order “SIOC” and then “IOCMODULES”.

ATTENTION:
Due to the slight difference of the ATC module mask with the PMDG transponder, the ATC indicator will correspond to the PMDG selector like this:

ATC MODULE	PMDG SELECTOR
*STBY	*TEST
ALT	STBY
XPNDR	XPNDR
TA ONLY	TA
TA/RA	TA/RA

*since the ATC module does not include the TEST function (there is no a spring back position in the rotary switch), please avoid the test because you will have a position offset if you use it.
You can use it only if you keep the TEST position for just 1-2 seconds maximum and then you manually bring back the selector to the second position. In this way you will be able to hear the recall “***TCAS system test OK***” after few seconds.

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